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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/781,396	02/18/2004	Joel M. Walker	IDF 2648 (4000-16900)	1884
28003	7590	01/05/2010		
SPRINT 6391 SPRINT PARKWAY KSOPHT0101-Z2100 OVERLAND PARK, KS 66251-2100			EXAMINER SHAAWAT, MUSSA A	
			ART UNIT 3627	PAPER NUMBER
			MAIL DATE 01/05/2010	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/781,396	<b>Applicant(s)</b> WALKER, JOEL M.	
	<b>Examiner</b> MUSSA SHAAWAT	<b>Art Unit</b> 3627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 November 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 14-23 and 32-39 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 14-23 and 32-39 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### **DETAILED ACTION**

1. This action is in response to amendment filed on 11/17/2009. Claims 14, 16-18, 20, and 22-23 have been amended. Claims 1-13 and 24-31 have been previously withdrawn. Claims 32-39 have been newly added. Claims 14-23 and 32-39 are pending examination.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 14-17, 21-23, 32-37, and 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over McConnell et al., US PG Pub. No. (2003/0074313) referred to hereinafter as McConnell in view of Beckman US PG. Pub. No. (2002/0143674) referred to hereinafter as Beckman.

As per claim 14, McConnell teaches a method for performing a mediation process on invoice data, the method comprising: registering, with a mediation process manager stored in a computer readable storage media and executed by a processor, a plurality of data identifiers and a plurality of mediation processes in a reference table stored in a computer readable storage media, wherein each of the plurality of data identifiers is registered to correspond to at least one of the plurality of mediation

processes, and wherein each of the plurality of mediation processes perform a different data processing function (see at least Pare 0018-0020);

retrieving, with a mediation transform unit stored in a computer readable media and executed by a processor, invoice data from one or more data sources stored in a computer readable storage media, the invoice data corresponds to one of the plurality of data identifiers (see at least Para 0016-0023);

identifying, with the mediation process manager, the at least one of the plurality of mediation processes to perform on the invoice date by determining that the at least one of the plurality of mediation processes are registered in the reference table to correspond with the one of the plurality of data identifiers that corresponds to the invoice data (see at least Para 0016-0021); and

performing the at least one of the plurality of mediation processes on the invoice data to generate a mediated output (see at least Para 0016-0023, 0054). Although McConnell teaches a mediated output; McConnell does not expressly teach wherein the mediated output is different from the invoice data. However Beckman does teaches consolidated the billing or invoice inputs from different vendors into a different output (see at least Fig. 2). It would have been obvious to one of ordinary skill in the art at the time the invention was to incorporate the teachings of Beckman into the disclosure of McConnell in order to yield a business cost reduction for vendors.

As per claim 15, McConnell teaches a method of Claim 14, wherein each data identifier identifies a data source and the corresponding mediation process relates to

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the mediation process to be performed on data from that data source (see at least Para 0016-023).

As per claim 16, McConnell teaches a The method of Claim 15, wherein the invoice data is billing data (see at least Para 0016).

As per claim 17, McConnell teaches a The method of Claim 14, wherein performing the at least one of the plurality of mediation processes on the invoice data includes performing the at least one of the plurality of mediation processes with at least one of a special handling function and a workflow adjustment function on the invoice data (see at least Para 0016-0023).

As per claim 21, McConnell teaches a method of Claim 14, wherein the mediated output is further defined as a mediated invoice (see at least Para 0016-0023).

As per claim 22, McConnell teaches a method of Claim 14, wherein the invoices are further defined as telephone bills and wherein the mediated output is includes a portion of the call details from the telephone bill (see at least Para 0003).

As per claim 23, McConnell teaches a method of Claim 14, wherein performing the at least one of plurality of mediation processes on the invoice data further comprises: providing a first billing system that generates a first invoice; and providing a second billing system that generates a second invoice such that the mediated output is based on at least portions of the first and second invoices (see at least Para 0016-0023).

As per claim 32, McConnell teaches method of Claim 17, wherein a special handling function controller performs the special handling function on the invoice data (see at least Abstract Claims, abstract Para 0018-0026).

As per claim 33, McConnell teaches method of Claim 32, wherein the special handling function controller invokes the special handling function based on information registered in the reference table (see at least Abstract Claims, abstract Para 0018-0026).

As per claim 34, McConnell teaches method of Claim 32, wherein the special handling function comprises manipulating data (see at least Abstract Claims, abstract Para 0018-0026).

As per claim 35, McConnell teaches method of Claim 17, wherein a workflow adjustment controller performs the workflow adjustment function on the invoice data (see at least Abstract Claims, abstract Para 0018-0026).

As per claim 36, McConnell teaches method of Claim 35, wherein the workflow adjustment controller invokes the workflow adjustment function based on information registered in the reference table (see at least Abstract Claims, abstract Para 0018-0026).

As per claim 37, McConnell teaches method of Claim 35, wherein the workflow adjustment function comprises capturing current invoice data, awaiting future invoice data, capturing the future invoice data, and processing the current invoice data and further invoice data (see at least Abstract Claims, abstract Para 0018-0026).

As per claim 39, McConnell teaches a method of Claim 14, wherein the reference table is coupled to a user interface (see at least Abstract Claims, abstract Para 0018-0026).

4. Claims 18-20 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over McConnell in view of Beckman in further view of Official Notice.

As per claim 18-19 and 38, McConnell in view of Beckman do not expressly teach performing a data transformation process in accordance with a predetermined defining structure; wherein the predetermined defining structure is an Extensible Markup Language schema. The examiner takes Official Notice that performing a data transformation on a data to an XML format is old and well known in the art at the time the invention was made. Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the disclosure of McConnell in view of Beckman to include performing a transformation of data into an XML format in order aid the sharing of information between systems especially via the internet.

As per claim 20, McConnell teaches a method of Claim 19 further comprising retrieving data directly from a data generation unit via a direct data access controller, wherein at least one of the special handling function and the workflow adjustment function is performed on the retrieved data (see at least Para 0016-0023 and figure 1).

### ***Response to Arguments***

5. Applicant's arguments have been fully considered but they are moot in view of new grounds of rejection.

**Re: Official Notice;** The examiner notes, that the appellant failed to specifically point out the supposed errors in the examiner's action dated 01/26/2009, and to state why the notice fact is not considered to be common knowledge or well known in the art, therefore In view of the inadequate traversal, and in light of the requirements of 2144.03(c), ***the examiner notes that the well known in the art statements of the previous Office Action are considered to be admitted prior art.***

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUSSA SHAAWAT whose telephone number is (571)272-2945. The examiner can normally be reached on 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ryan Zeender can be reached on 571-272-2945. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mussa A Shaawat  
Examiner, Art Unit 3627  
December 30, 2009

/F. Ryan Zeender/  
Supervisory Patent Examiner, Art Unit 3627